

ABSTRACT OF THE DISCLOSURE

5 The centrifugal governor ensures that the governor lever (3) can apply a synthesized tensile force (STF) of the tensile forces (GS) of the main spring (4) and the tensile force (IS) of the idling spring (5) to the fuel adjuster (2) of the fuel pump (1) so as to increase the supply of fuel, and cause the governor weight (6) to decrease the
10 fuel amount by pushing down the fuel adjuster (2), so that a disequilibrium between the synthetic tensile force (STF) of the two springs (4), (5) and the governor force (GF) is utilized for increasing or decreasing the supply of fuel through the operation of the fuel adjuster (2), and that the idling spring (5) spring-biases the
15 governor lever (3) to increase the supply of the fuel both in the non-load set and in the low-load set (LL), and decrease the fuel supply both in the high-load set (LH) and in the full-load set (4/4).